

New Hampshire Ave at Powder Mill Rd and Elton Rd LATIP Fee – Amended Analysis

Tommy Douglas Conference Center May 24, 2018

Agenda

- Introductions
- Why We're Here
- Getting Your Bearings
- LATIP Overview
- Hillandale Analysis Findings
- Alternatives
- What Comes Next & How to Get Involved



Why We're Here
Getting Your Bearings

LATIP Overview

Alternatives

Hillandale Analysis Findings

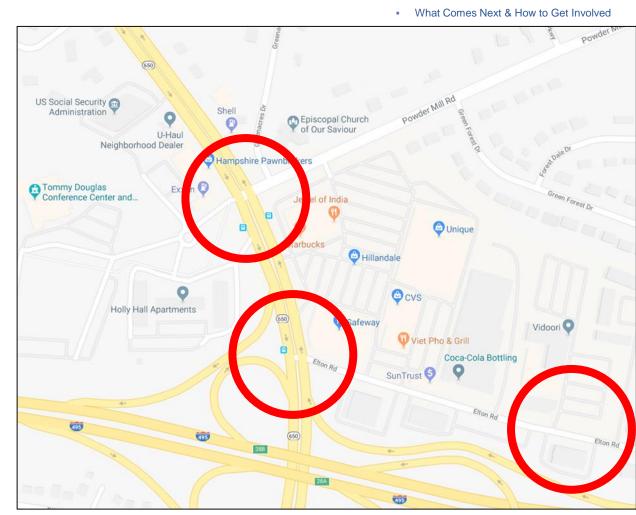
Why We're Here

 New Hampshire and Powder Mill

New Hampshire and Elton

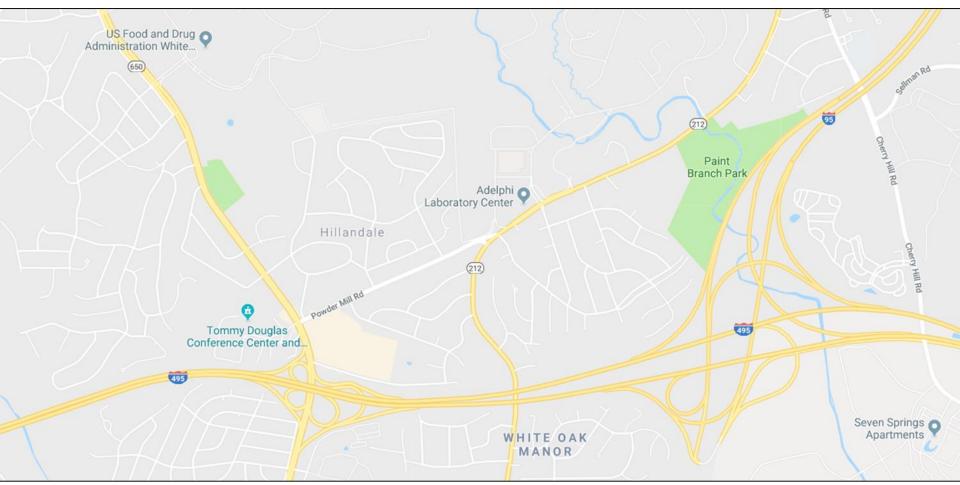
Traffic calming along Elton

Public Hearing



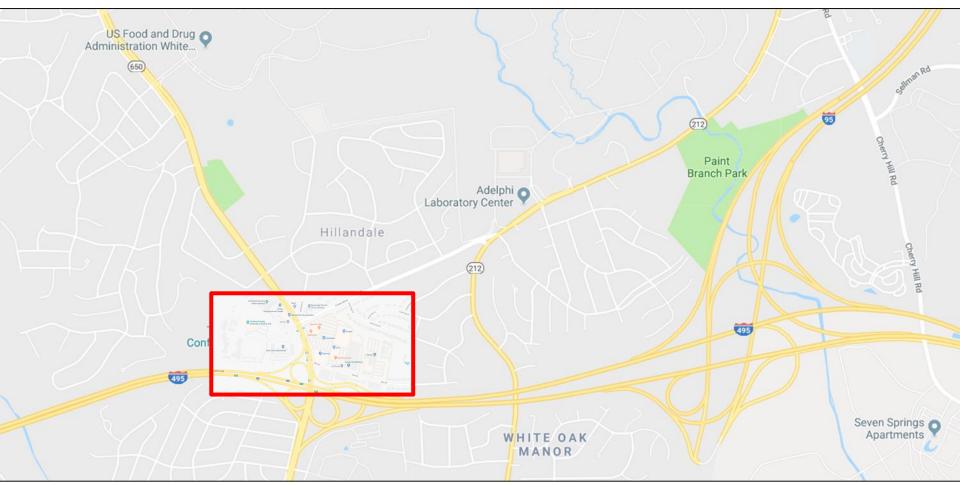


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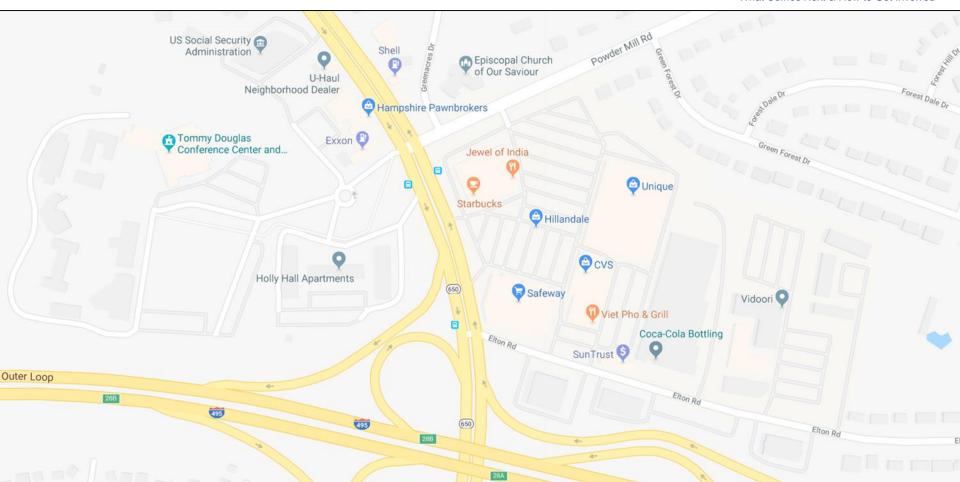


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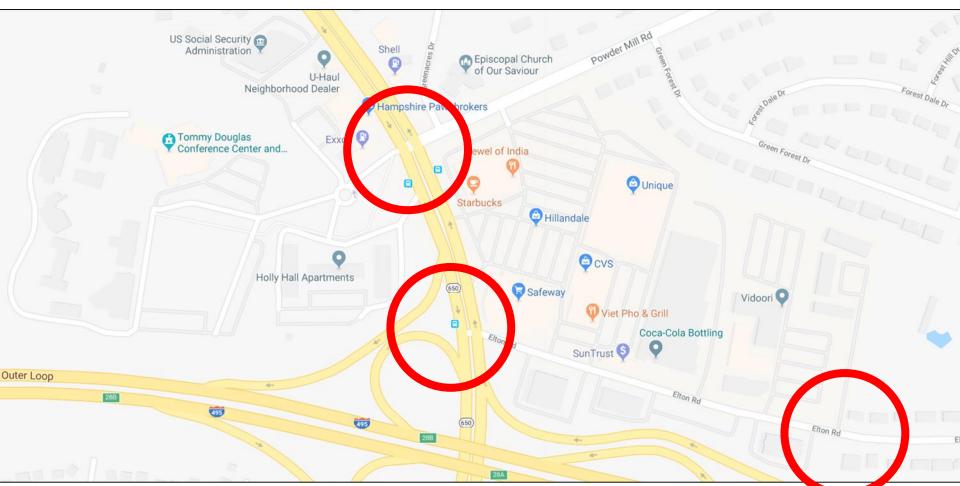


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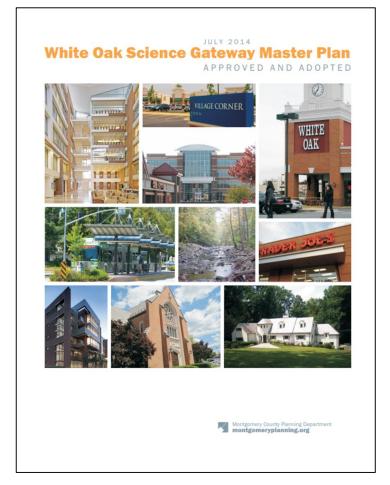
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What Comes Next & How to Get Involved

LATIP Overview

- July 2014
 WOSG Master Plan
- Sep 2014
 LATIP Conception
- July 2015Scope Finalized
- Feb 2017Council Approval





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_		Bro Louis					-			Market 1	
		Project	s	pprox Total Cost	County / State 5 130,000,000		Developers	5	UMP	Notes	
8	-		5	96,000,000	\$ 96,000,000			5		Fairland/Musgrove based on SHA estimates as of July 2016. Stewart La and Tech/Industrial based on SHA	
6		Tech Rd / Industrial Pkwy	7.			-	*.	-		estimates as of September 2013. Greencastle and Blackburn interchanges are excluded on account of being significant distance outside of the plan area. Fairland/Montrose is included on account of being within 2	
8		Fairland Rd / Musgrove Rd	5	139,000,000	\$ 139,000,000	5		5		intersections distant of the plan area.	
2		SUBTOTAL	5	365,000,000	\$ 365,000,000	5	- 2	5			
		US 29	5	65,800,000			*	\$		ERT accounts for the span within the master plan area only; full build out of the system would be necessary to adequate functionality. Costs are based on a per-role estimate prepared for each line by VMIL Circulator.	
		MD 650	5	64,100,000	\$ 64,100,000	5	- 1	\$			
		Randolph Rd	\$	13,900,000	\$ 13,900,000	\$		5		accumes 2 buses with approximately 2 replacements at 12 year increments. Operating costs not included.	
		Circulator	5	3,600,000	\$ -	5		5	3,600,000		
		New Ride-On Service	s	12,600,000	5	5	-	\$	12,600,000		
		Increased Ride-On 10 Service	5	9,000,000	\$ 6,000,000			s	3,000,000		
-	_	Increased Ride-On 21 Service	5	3,600,000	\$ 3,600,000	-	20	5	3,440,440	These items are not explicitly in the Master Plan, but are outstanding needs identified for the area which cou	
ransit (Capital)	-	Increased Ride-On 22 Service	5	5,400,000	\$ 2,700,000			6	2.700.000	contribute toward a ped, bile, and transit usage (and subsequently contribute toward actioning the NACM) goals for the policy area).	
-	-		5	200,000	De Mille Mille Mille Marie	8 646	200,000		2,700,000		
2	W	Vashington Adventist Hospital Transit Center	177		5	\$	200,000	5	*	Washington Adventist Hospital Transit Center assumed to be built by the Hospital.	
		Hillandale Transit Center	\$	500,000	\$ ((*)	5	*	5	500,000	Bilineshare costs are for capital costs only over the lifetime of the plan and do not include operating costs.	
		Bus Stop Improvements	5	100,000	\$ -	5	-	\$	100,000		
		Bikeshare	5	4,600,000	5	5		5	4,600,000		
	1	Transportation Management District (TMD)	\$	13,900,000	\$ 13,900,000	5		5		The TMD accounts for the total estimated costs to the County own the lifetime of the plan, considering linear	
					4 400 000 000	-		4		The TMD accounts for the total estimated costs to the County over the lifetime of the plan, considering lines commercial development growth and adjusting for incoming revenue.	
		SUBTOTAL	5	197,300,000	\$ 170,000,000	5	200,000	5	27,100,000		
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		SUBTOTAL	5		5 -	5		5			
	A-105	(White Oak Shopping Center)	S	23,400,000	\$	5	23,400,000	5	-	Assumed built by White Oak Shopping Center	
1 3	A-106	(Industrial Pkwy Extended)	5	49,500,000	4 .	6	49,500,000	5		Assumed built by Viva White Oak	
-	-		5		\$.	5	18 300,000	5		Assumed built by Adventist Hospital & Viva White Oak	
20	8-5	(Plum Orchard / FDA Blvd Connector)	-		3	2	***************************************	2	.5.	COMPANY OF THE PROPERTY OF THE	
3	8-6	(Plum Orchard Extended)	\$	26,400,000	2 -	5	26,400,000	5		Assumed built by adjacent development.	
2	8-7	(Cherry Hill / Plum Orchard Connector)	\$	8,600,000	\$	\$	8,600,000	\$		Assumed built by adjacent development.	
		SUBTOTAL	5	126,200,000	5 .	5	126,200,000	5	-		
				The second second	\$ 43,500,000		The same of the same of				
	CM-10	US 29 (Columbia Pike) over MD 650	\$	43,500,000		2	-	5			
	A-105	Old Columbia Pike Bridge	5		\$ -	\$	55	5	12,000,000		
ag .	A-105	Old Columbia Pike	\$	58,100,000	\$ 53,100,000	-	-	\$	5,000,000	Married as to and other to the attitude and a section and	
Widening	M-12	MD 650 (New Hampshire Ave)	5	5,900,000	\$ 5,900,000	-	41	\$		All projects are for road widening for either additional capacity or parking, and includes any master planned bicycle infrastructure.	
3	P-16	Elton Rd	\$	100,000	\$ 100,000	5		\$			
Way.	8-9	Broadbirch Dr	5	33,700,000	\$ 33,700,000	5	- 2	5		CM-10 (US 29) and M-12 (MD 650) widening are for additional thru lanes along in each southbound direction at US 29 and MD 650, M-12 assumes no bridge reconstruct: lanes narrowed; biteway behind piers w/	
8	B-10	FDA Blvd	s	25,100,000	s -	s	25,100,000	s	-	reconstructed wall. CM-10 assumes a bridge reconstruct.	
Re	B-11	Tech Rd (south of Industrial Pkwy)	5		\$.	5	10,400,000	5			
	-		-			1		-			
		SUBTOTAL	\$	188,800,000	\$ 136,300,000	5	35,500,000	5	17,000,000		
	M-10	US 29 (Columbia Pike)	\$	2,800,000	\$.	5		\$	2,800,000		
	M-12	MD 650 (New Hampshire Ave)	\$	6,600,000	\$	5	211	5	6,600,000		
	A-94	Powder Mill Rd	5	3,400,000		s		5	3,400,000		
2	A-106	Industrial Pkwy	-	8,400,000	*	5		-	8,400,000		
*			\$	-9,000,000	\$ -	-	* 1	\$	100.1500.000		
100	A-107	Tech Rd (north of Industrial Pkwy)	\$	2,700,000	\$ -	\$		5	2,700,000	Cost estimates based on DO+DTE evaluation on 2/10/2017.	
New	A-108	Prosperity Dr	\$	3,600,000	\$	5	V	\$	3,600,000		
ž	A-286	Lockwood Dr (west of New Hampshire Ave)	\$	5,700,000	\$ -	5		\$	5,700,000		
	8-3	Elton Rd	5	500,000	\$ 500,000	\$		5			
		SUBTOTAL	5	33,700,000	\$ 500,000	5		5	33,200,000		
				33,700,000	3 300,000	10		13	33,200,000		
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Why We're Here
Getting Your Bearings

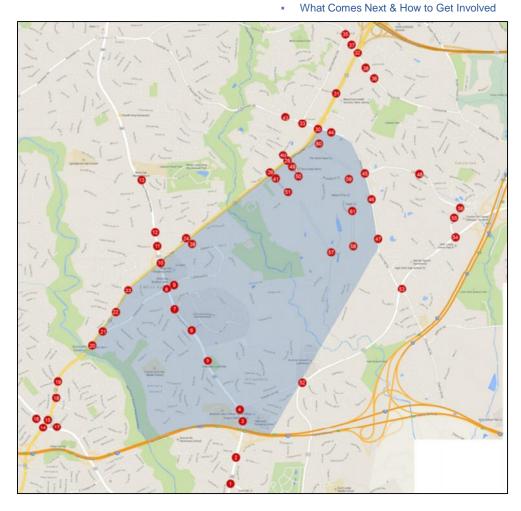
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	Total Amour	nt \$101,800,000
LATR	Analyses every 6 yrs, from 2017 to 2040	\$400,000
Old Co	olumbia Pike Bridge Reconstruction	\$12,000,000
	Subto	tal \$38,200,000
•	A-286 Lockwood Dr	\$5,700,000
•	A-108 Prosperity Dr	\$3,600,000
•	A-107 Tech Rd	\$2,700,000
•	A-106 Industrial Pkwy	\$8,400,000
•	A-105 Old Columbia Pike	\$5,000,000
•	A-94 Powder Mill Rd	\$3,400,000
•	M-12 MD 650 (New Hampshire Ave	\$6,600,000
•	M-10 US 29 (Columbia Pike)	\$2,800,000
BIKEV	VAYS (green) ¹⁹	the state of the s
	Subto	
	Bikeshare	\$4,600,000
	Bus Stop Improvements	\$100,000
	Hillandale Transit Center	\$500,000
	Increased Ride-On Service	\$3,800,000
	New Ride-On Service	\$8,400,000
IKAN	White Oak Circulator	\$2,400,000
TDAN	SIT (blue) ¹⁹	tal \$31,400,000
•	MD 650 at Lockwood Dr Subto	\$1,400,000
•	MD 650 at Powder Mill Rd	\$5,000,000
•	Broadbirch Dr at Cherry Hill Rd & Plum Orchard Dr	
•	Broadbirch Dr at Tech Rd	\$1,700,000
•	Tech Rd at Industrial Pkwy	\$4,400,000
•	Tech Rd at Prosperity Dr / Old Columbia Pike ¹⁸	\$2,300,000
•	US 29 at Randolph Rd / Cherry Hill Rd	\$2,000,000
•	US 29 at Tech Road ¹⁸	\$3,300,000
•	US 29 at Industrial Pkwy ¹⁸	\$4,400,000
	US 29 at Stewart Lane ¹⁸	\$3,300,000

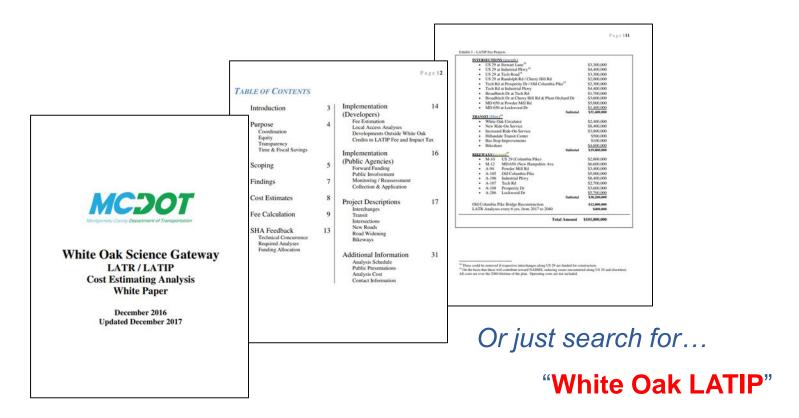
Total Amount \$101,800,000



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https://www.montgomerycountymd.gov/dot-dir/Resources/Files/LATR-WhitePaper.pdf





- Conflicting results for New Hampshire at Powder Mill Rd
- \$5,000,000 assigned as a placeholder estimate
- A future analysis was anticipated to identify necessary treatments

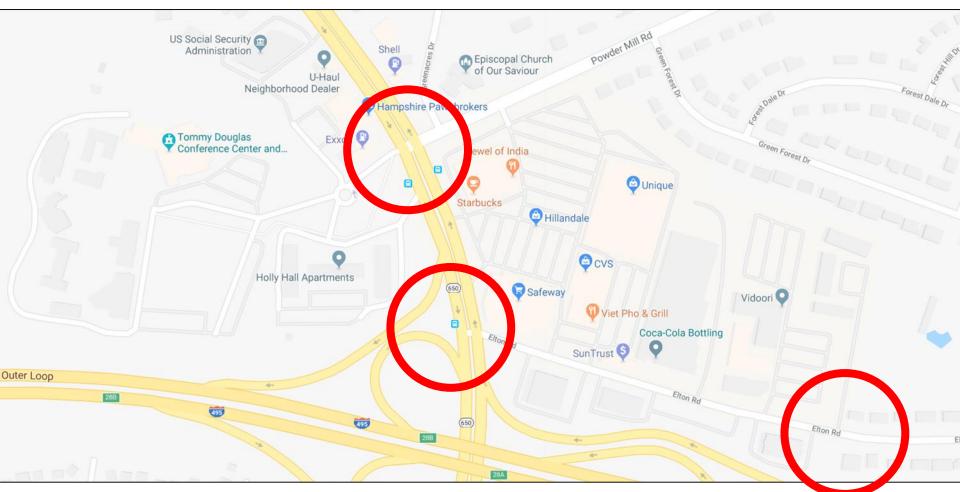
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2.111. 1. marjoes every 0 yrs, 110111 2017 to 2040		φ400,000
Old Columbia Pike Bridge Reconstruction LATR Analyses every 6 yrs, from 2017 to 2040		\$12,000,000 \$400,000
	Subtotal	\$38,200,000
 A-286 Lockwood Dr 	Subtotal	\$5,700,000
A-108 Prosperity Dr		\$3,600,000
• A-107 Tech Rd		\$2,700,000
A-106 Industrial Pkwy		\$8,400,000
A-105 Old Columbia Pike		\$5,000,000
 A-94 Powder Mill Rd 		\$3,400,000
 M-12 MD 650 (New Hampshire Ave 		\$6,600,000
 M-10 US 29 (Columbia Pike) 		\$2,800,000
BIKEWAYS (green) ¹⁹		
. 19	Subtotal	\$19,800,000
 Bikeshare 		\$4,600,000
 Bus Stop Improvements 		\$100,000
 Hillandale Transit Center 		\$500,000
 Increased Ride-On Service 		\$3,800,000
 New Ride-On Service 		\$8,400,000
 White Oak Circulator 		\$2,400,000
TRANSIT (blue) ¹⁹		
	Subtotal	\$31,400,000
 MD 650 at Lockwood Dr 		\$1,400,000
 MD 650 at Powder Mill Rd 		\$5,000,000
 Broadbirch Dr at Cherry Hill Rd & Plum Orch 	ard Dr	\$3,600,000
 Broadbirch Dr at Tech Rd 		\$1,700,000
 Tech Rd at Industrial Pkwy 		\$4,400,000
 Tech Rd at Prosperity Dr / Old Columbia Pike 	18	\$2,300,000
 US 29 at Randolph Rd / Cherry Hill Rd 		\$2,000,000
 US 29 at Tech Road¹⁸ 		\$3,300,000
 US 29 at Industrial Pkwy¹⁸ 		\$4,400,000
 US 29 at Stewart Lane¹⁸ 		\$3,300,000

Total Amount \$101,800,000

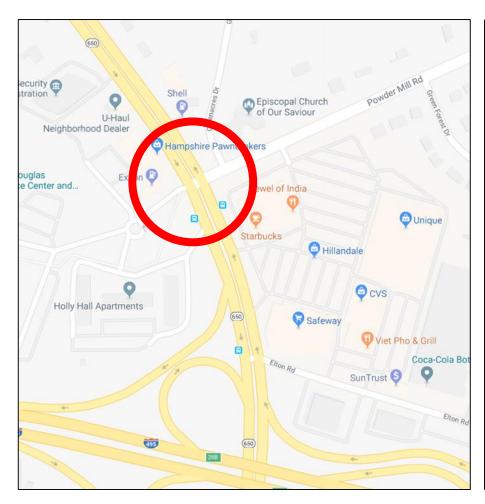


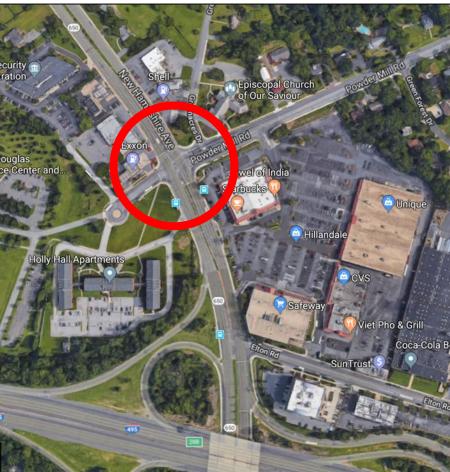
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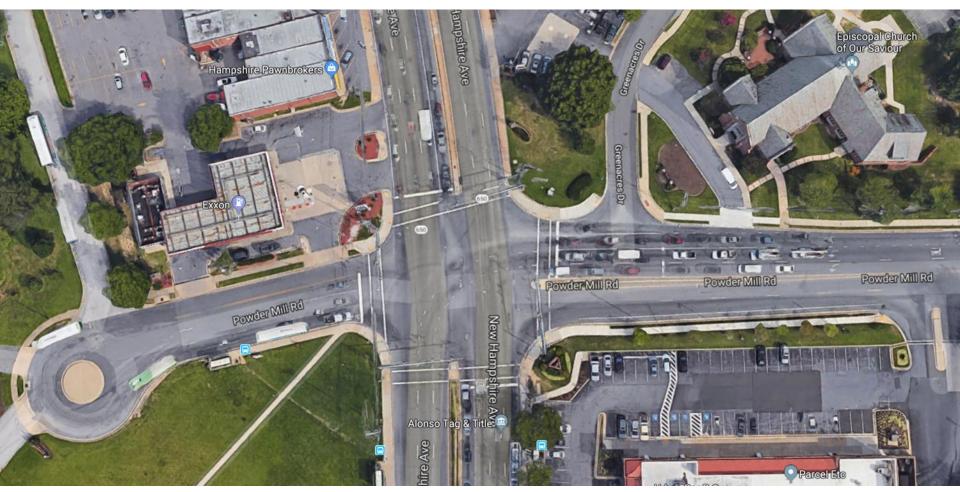
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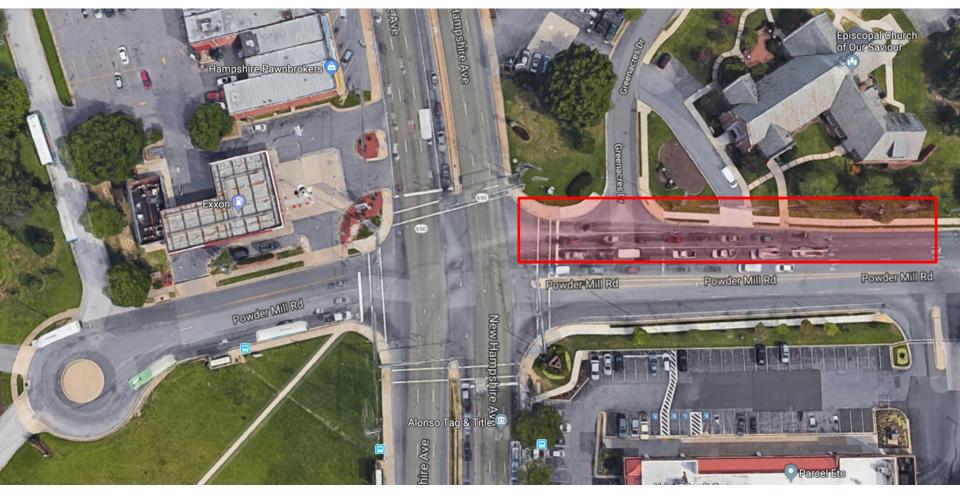


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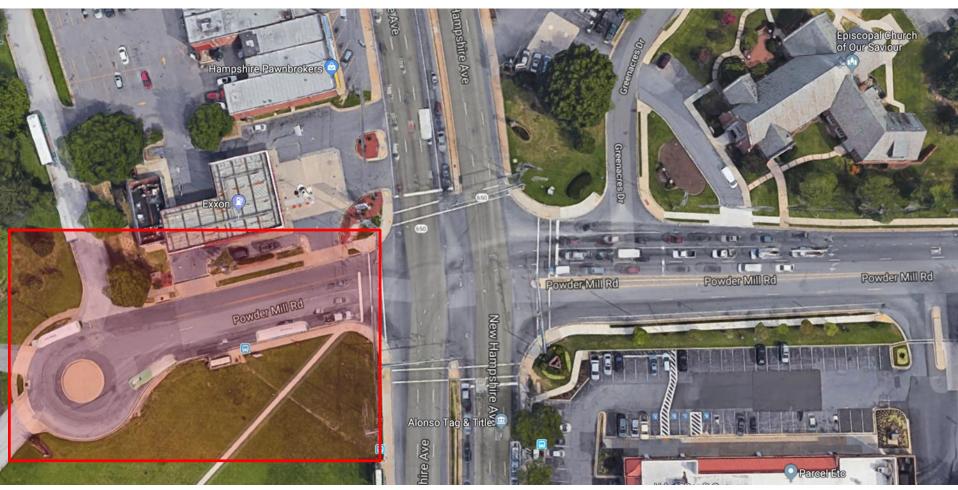
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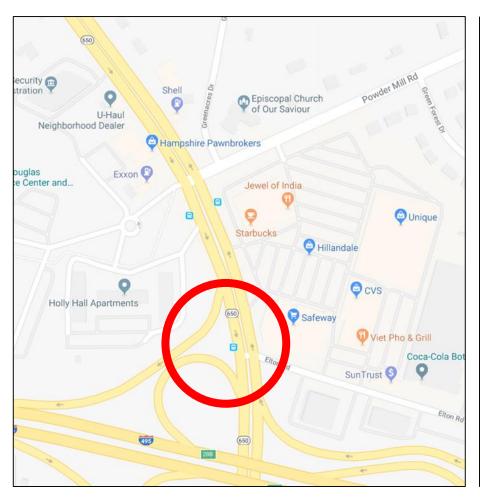
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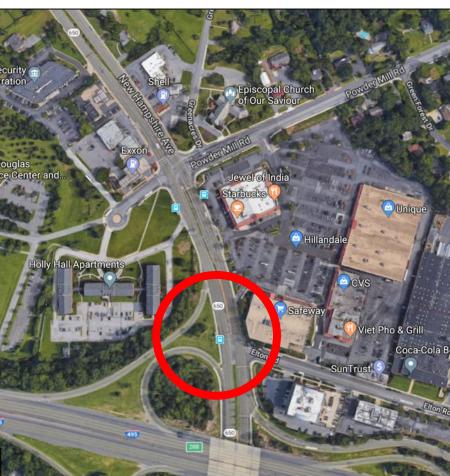
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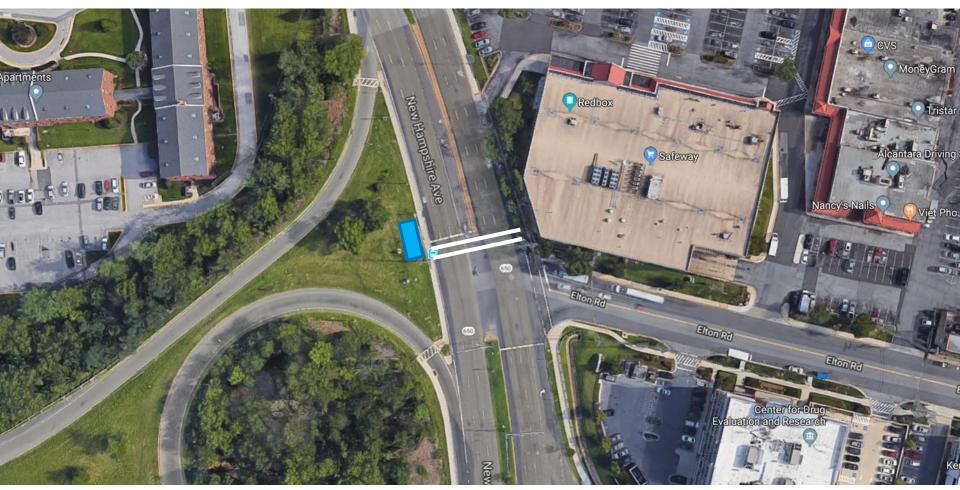
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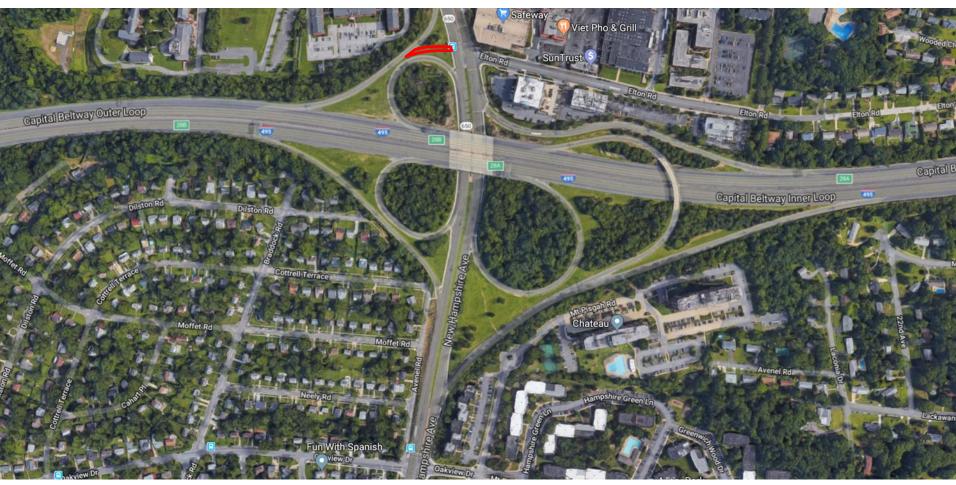


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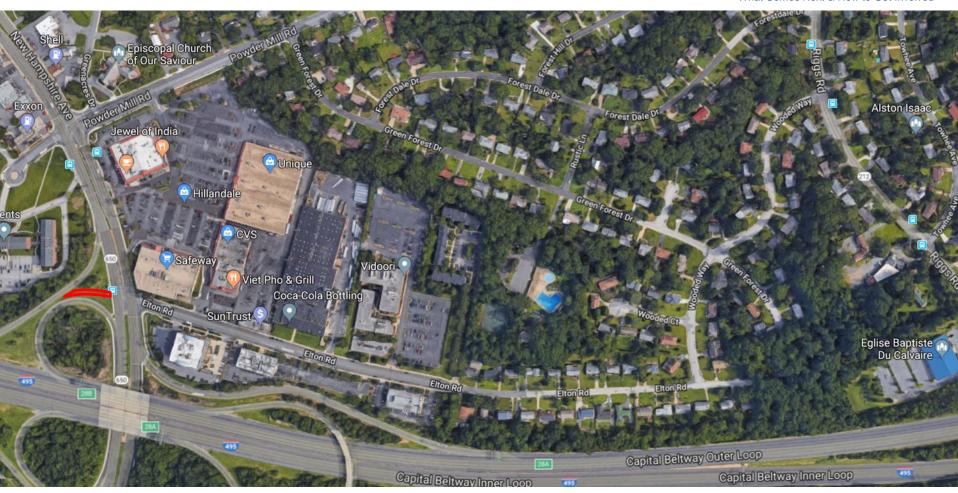
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No northbound left-turns onto the slip-ramp



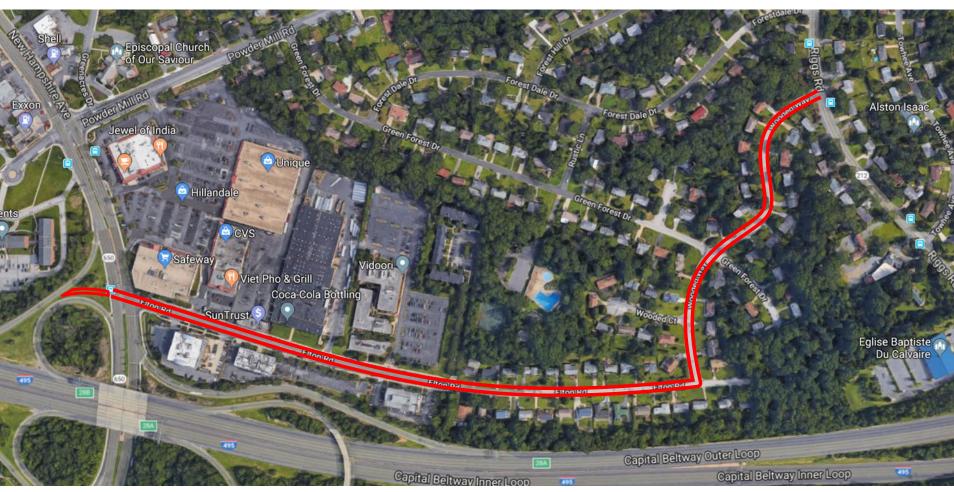
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Along Elton Road and Wooded Way...



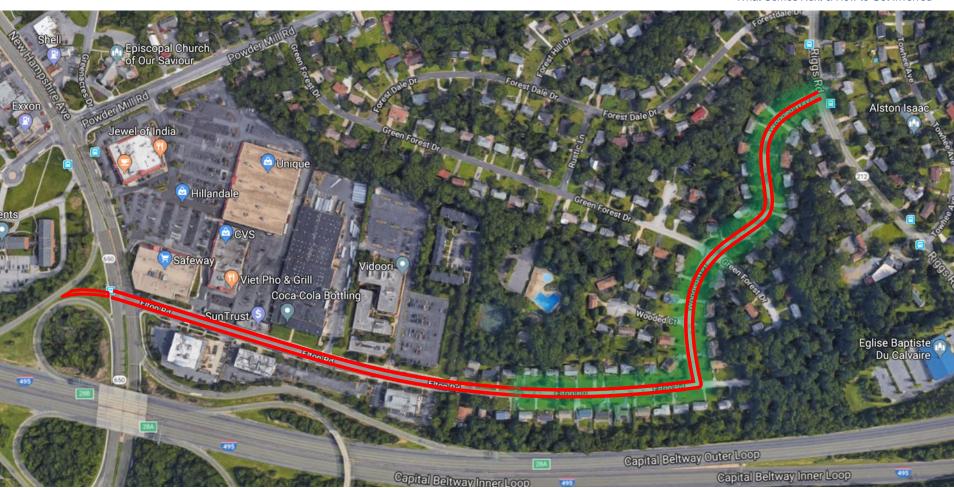
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Long-standing cut-through concerns



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Prince George's DPWT installing speed humps



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Is more needed on the Montgomery County side?



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• What if we do not support the slip-ramp?

 The slip-ramp relieves traffic at Powder Mill.

 Additional efforts would have to be made in isolation at Powder Mill.

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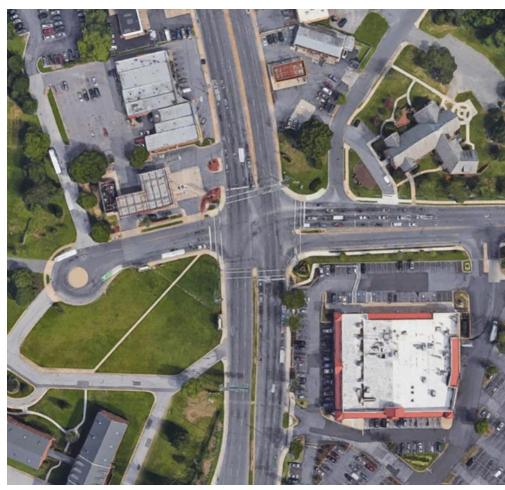


 Traffic will continue to worsen, even without local development.

FDA Expansion

 Growth elsewhere to the north, including into Howard and Carroll Counties

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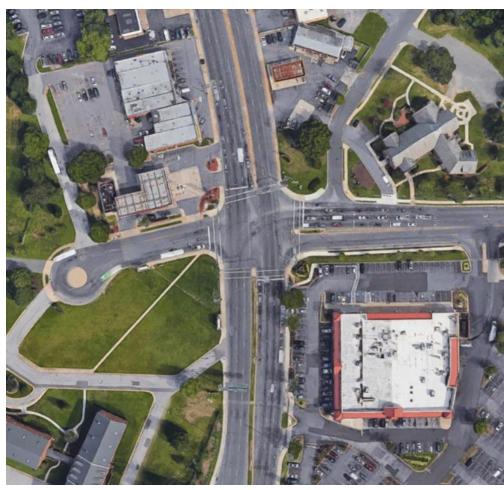




- Non-Auto Modes
 - Walking
 - Biking
 - Transit (BRT and expansion of WMATA + Ride-On)

 Part of a solution, but not able to solve the problem.

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 Widening the New Hampshire / Powder Mill intersection

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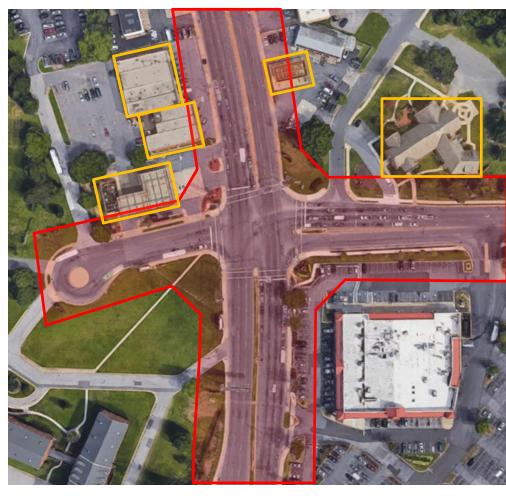




- Widening the New Hampshire / Powder Mill intersection
- Major impacts:
 - Properties (including several structures)
 - Bicyclists & Pedestrians
 - Transit
 - Visual Aesthetic
 - Quality of Life



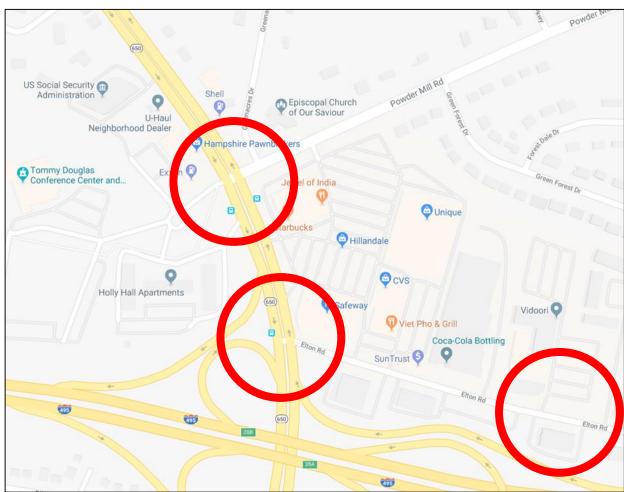
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- Traffic Calming
- Public Hearing

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- We believe the current proposal offers high benefits at low impacts.
- We recognize cut-through concerns & want to work with the community to address these issues.
- We intend to work with the Hillandale Citizens Association to identify what traffic treatments the community feels would work best along Elton Road.

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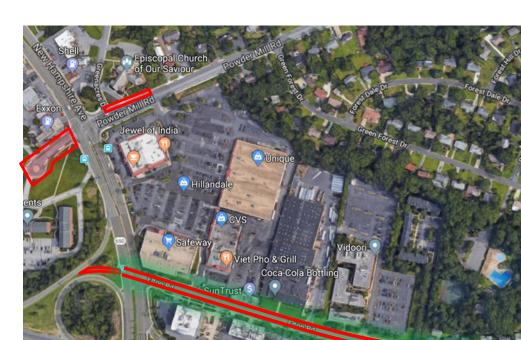
Alternatives

Getting Your Bearings LATIP Overview

Hillandale Analysis Findings

What Comes Next & How to Get Involved

- Public Hearing
- Will be scheduled after identifying traffic calming treatments along Elton Road
- Anticipated this Summer





• Questions?

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Peter Fosselman

Peter.fosselman@montgomerycountymd.gov

